

DECLARATION AND POWER OF ATTORNEY

As a below named inventor, I hereby declare that my residence, post office address and citizenship are as stated below next to my name. That I verily believe I am the original, first and sole inventor (if only one name is listed below) or a joint inventor (if plural names are listed below) of the subject matter claimed and for which a patent is sought in the application entitled:

"A semi-conductor device and a method for varying current density in an active region of a junction of the semi-conductor device"

which application is

the attached application
for original application

was filed as PCT International
Application No. PCT/IE 99/00053
filed June 18, 1999 and amended on

(for declaration not accompanying application)

that I have reviewed and understand the contents of the specification of the above-identified application, including the claims, as amended by any amendment referred to above; that I acknowledge my duty to disclose information of which I am aware which is material to the patentability of this application under 37 C.F.R. 1.56; that I hereby claim foreign priority benefits under Title 35, United States Code §119, §172 or §365 of any foreign application(s) for patent or inventor's certificate listed below and have also identified on said list any foreign application for patent or inventor's certificate on this invention having a filing date before that of the application on which priority is claimed:

Application Number	Country	Filing Date	Priority Claimed (yes or no)
898,0488	Ireland	June 18, 1998	YES

I hereby claim the benefit of Title 35, United States Code §120 of any United States application(s) listed below and, insofar as the subject matter of each of the claims of this application is not disclosed in a listed prior United States application in the manner provided by the first paragraph of Title 35, United States Code, §112, I acknowledge my duty to disclose any information material to the patentability of this application under 37 C.F.R. 1.56 which occurred between the filing date of the prior application and the national or PCT international filing date of this application:

Application Serial No.	Filing Date	Status (patented, pending, abandoned)
------------------------	-------------	--

I hereby appoint John H. Mion, Reg. No. 18,879; Donald E. Zinn, Reg. No. 19,046; Thomas J. Macpeak, Reg. No. 19,292; Robert J. Seas, Jr., Reg. No. 21,092; Darryl Mexic, Reg. No. 23,063; Robert V. Sloan, Reg. No. 22,775; Peter D. Olexy, Reg. No. 24,513; J. Frank Osha, Reg. No. 24,625; Waddell A. Biggart, Reg. No. 24,861; Robert G. McMorrow, Reg. No. 19,093; Louis Gubinsky, Reg. No. 24,835; Neil B. Siegel, Reg. No. 25,200; David J. Cushing, Reg. No. 28,703; John R. Inge, Reg. No. 26,916; Joseph J. Ruch, Jr., Reg. No. 26,577; Sheldon I. Landsman, Reg. No. 25,430; Richard C. Turner, Reg. No. 29,710; Howard L. Bernstein, Reg. No. 25,665; Alan J. Kasper, Reg. No. 25,426; Kenneth J. Burchfiel, Reg. No. 31,333; Gordon Kit, Reg. No. 30,764; Susan J. Mack, Reg. No. 30,951; Frank L. Bernstein, Reg. No. 31,484; Mark Boland, Reg. No. 32,197; William H. Mandir, Reg. No. 32,156; Scott M. Daniels, Reg. No. 32,562; Brian W. Hannon, Reg. No. 32,778 and Abraham J. Rosner, Reg. No. 33,276, my attorneys to prosecute this application and to transact all business in the Patent and Trademark Office connected therewith, and request that all correspondence about the application be addressed to **SUGHRUE, MION, ZINN, MACPEAK & SEAS**, 2100 Pennsylvania Avenue, N.W., Washington, D.C. 20037-3202.

I hereby declare that all statements made herein of my own knowledge are true and that all statements made on information and belief are believed to be true; and further that these statements were made with the knowledge that willful false statements and the like so made are punishable by fine or imprisonment, or both, under Section 1001 of Title 18 of the United States Code and that such willful false statements may jeopardize the validity of the application or any patent issuing thereon.

Date _____ First Inventor JOHN G MCINERNEY
First Name Middle Initial Last Name

Residence The Creamery, Caum Signature _____
Macroom, County Cork, Ireland

Citizenship An Irish Citizen Post Office Address The Creamery, Caum
Macroom, County Cork, Ireland

21-2001

Seventh Inventor PETER

M

SKOVGAARD

Residence Technical University of Denmark
D.T.U., Building 349,
DK-2800 Lyngby, Denmark

Signature Peter M. W. Skovgaard

Post Office Address Technical University of Denmark
D.T.U., Building 349,
DK-2800 Lyngby, Denmark

Citizenship A Danish citizen

Date _____

Third Inventor _____
First Name Middle Initial Last Name

Residence _____

Signature _____

Post Office Address _____

Citizenship _____

Date _____

Fourth Inventor _____
First Name Middle Initial Last Name

Residence _____

Signature _____

Post Office Address _____

Citizenship _____

Date _____

Fifth Inventor _____
First Name Middle Initial Last Name

Residence _____

Signature _____

Post Office Address _____

Citizenship _____

Date _____

Sixth Inventor _____
First Name Middle Initial Last Name

Residence _____

Signature _____

Post Office Address _____

Citizenship _____

Date _____

Seventh Inventor _____
First Name Middle Initial Last Name

Residence _____

Signature _____

Post Office Address _____

Citizenship _____